

09/607,882

UNITED STATES PATENT AND TRADEMARK OFFICE  
**CERTIFICATE OF CORRECTION**

PATENT NO. : 6,301,510 B1  
DATED : October 9, 2001  
INVENTOR(S) : Cooperberg et al.

Page 1 of 1

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

Column 5,

Line 50, after "open-field" delete "field".

Column 6,

Line 10, replace " $\Gamma_{ie} = \int \int Y_{ie}(\phi, E) \Gamma_1(\phi, E) d\phi dE = \int dE (E^{1/2} - E_{th,e}^{1/2}) \int d\phi Y_e(\phi, E) \int_1 (\phi, E) d\phi$ " with -- " $\Gamma_{ie} = \int \int Y_{ie}(\phi, E) \Gamma_1(\phi, E) d\phi dE = \int dE (E^{1/2} - E_{th,e}^{1/2}) \int d\phi Y_e(\phi, E) \int_1 (\phi, E) d\phi$ " and --

Line 27, " $ER = k_{s2} \beta_{1s} + \theta_e k_{e2} \Gamma_{ie} + k_{th} \Gamma_e - k_d \Gamma_d S_d (1 - \theta_e)$ ." with -- " $ER = k_{s2} \Gamma_{1s} + \theta_e k_{e2} \Gamma_{ie} + k_{th} \Gamma_e - k_d \Gamma_d S_d (1 - \theta_e)$ ." --.

Signed and Sealed this

Twenty-sixth Day of March, 2002

Attest:



Attesting Officer

JAMES E. ROGAN  
Director of the United States Patent and Trademark Office

CozCP



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

APPLICANT: Cooperberg et al.  
 SERIAL NO.: 09/607,882  
 FILING DATE: June 30, 2000  
 TITLE: METHOD AND APPARATUS TO CALIBRATE A SEMI-EMPIRICAL PROCESS SIMULATOR  
 PATENT NO.: 6,301,510  
 ISSUED: October 9, 2001  
 EXAMINER: William Grant  
 ART UNIT: 2121

**CERTIFICATE  
 JAN 29 2002  
 OF CORRECTION**

**CERTIFICATE OF MAILING**

I hereby certify that this paper is being deposited with the United States Postal Service as First Class Mail in an envelope addressed to: Commissioner for Patents, Washington, DC 20231, on the date printed below:

Date: 12/14/01

Name:

Danette Lindstrom  
 Danette Lindstrom

COMMISSIONER FOR PATENTS  
 WASHINGTON, D.C. 20231

**TRANSMITTAL FOR CERTIFICATE OF CORRECTION**

We enclose, pursuant to the provisions of 37 C.F.R. §1.322, a Certificate of Correction for United States Patent No. 6,301,510. Please make the Certificate of Correction and the statements herein of record.

The corrections made to the above-identified United States Patent in the Certificate of Correction filed herewith are to correct mistakes which are of a minor character according to 35 U.S.C. §254 and 37 C.F.R. §1.322. The proposed corrections do not

constitute such changes in the patent as would constitute new matter or would require re-examination.

37 C.F.R. §1.322 Corrections

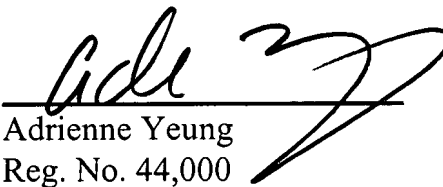
Please see attached Certificate of Correction.

No Fee Due

It is believed that no fee is required for filing the above-noted document. In the event any fee is required for filing of this Certificate of Correction, the Assistant Commissioner is hereby authorized to charge the fee to our Deposit Account No. 50-1698. A duplicate of this page is enclosed.

Respectfully submitted,  
THELEN REID & PRIEST LLP

Dated: December 13, 2001

  
Adrienne Yeung  
Reg. No. 44,000

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37 C.F.R. §1.322 Corrections

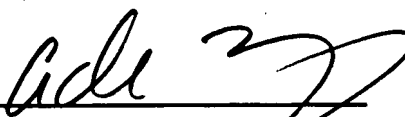
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It is certified that error appears in the above-identified patent and that said Letter Patent are hereby corrected as shown below:

1) In column 5 line 50 after "open-field" delete "field".

2) In column 6 line 10 replace

" $\Gamma_{ie} = \iint Y_{ie}(\phi, E) \Gamma_1(\phi, E) d\phi dE = \int dE (E^{1/2} - E_{th,e}^{1/2}) \int d\phi Y_e(\phi, E) \int_1(\phi, E)$  and" with - -

" $\Gamma_{ie} = \iint Y_{ie}(\phi, E) \Gamma_1(\phi, E) d\phi dE = \int dE (E^{1/2} - E_{th,e}^{1/2}) \int d\phi Y_e(\phi, E) \int_1(\phi, E)$  and - -

3) In column 6 line 27 replace " $ER = k_{s2}\beta_{1s} + \theta_e k_{e2}\Gamma_{ie} + k_{th}\Gamma_e - k_d\Gamma_d S_d(1 - \theta_e).$ " with -  
-  $ER = k_{s2}\Gamma_{1s} + \theta_e k_{e2}\Gamma_{ie} + k_{th}\Gamma_e - k_d\Gamma_d S_d(1 - \theta_e).$  - -

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